

**IN THE CLAIMS**

Please amend the claims to read as indicated below.

1. (currently amended) A system ~~for communications on a bi-directional medium~~, comprising:  
a first repeater, a second repeater, a third repeater and a fourth repeater, each of which is coupled to ~~said medium~~ a wire that is common to said first, second, third and fourth repeaters,  
wherein said first repeater and said second repeater communicate with each other via said wire on a first band for a transmission from said first repeater to said second repeater, and on a second band for a transmission from said second repeater to said first repeater,  
wherein said second repeater and said third repeater communicate with each other via said wire on a third band for a transmission from said second repeater to said third repeater, and on a fourth band for a transmission from said third repeater to said second repeater, and  
wherein said third repeater and said fourth repeater communicate with each other via said wire on said second band for a transmission from said third repeater to said fourth repeater, and on said first band for a transmission from said fourth repeater to said third repeater.
2. (currently amended) The system of claim 1, wherein said ~~medium~~ wire is a power line.